

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/05563

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08F220/34 C11D3/37 C11D1/62 D06M13/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08F C11D D06M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02 057400 A (COLGATE PALMOLIVE CO) 25 July 2002 (2002-07-25) page 2, line 20 -page 3, line 15 claims 1-18; figures; examples page 7, line 17 -page 9, line 19 page 10, line 19 - line 24 X ANONYMOUS: "Cationic polymeric thickeners useful in fabric softeners" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 429, no. 116, January 2000 (2000-01), XP007125401 ISSN: 0374-4353 the whole document	1,3-8, 13,14, 19-23 1-37 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

8 October 2003

Date of mailing of the international search report

14/10/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Caption of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 340 865 A (NEFF ROGER E ET AL) 23 August 1994 (1994-08-23) claims 1-4; examples; table 2 column 2, line 25 - line 57 column 3, line 25 - line 29 column 4, line 27 - line 48 ---	1-14, 24-37
X	EP 0 374 458 A (AMERICAN CYANAMID CO) 27 June 1990 (1990-06-27) page 5, line 16 - line 55 examples 5C, 7C, 11, 30, 35C, 36, 37B; tables 1, 2, 7-10 claims 1-6 ---	1-8, 10, 11, 13, 14, 24-29, 33, 34
X	FR 2 589 145 A (SNF SA) 30 April 1987 (1987-04-30) claims 1-5, 7; examples 1, 2, 4, 6 page 5, line 3 -page 6, line 1 ---	1, 3-18, 24-37
X	US 5 180 473 A (AKUNE KENICHI ET AL) 19 January 1993 (1993-01-19) claims 1, 6; figure 1 column 2, line 20 -column 3, line 25 column 3, line 47 -column 4, line 2 column 4, line 23-line 37; column 4, line 61 - column 5, line 31; examples 7-14, 23-26, 33-41; tables 1-4 ---	24-32, 36, 37
A	YAMAMOTO, SATOSHI ET AL: "Polymer additives for paper making to give mechanical strength and improved freeness and their manufacture" retrieved from STN Database accession no. 126:187583 CA XP002219917 abstract -& PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05, 30 May 1997 (1997-05-30) & JP 09 003793 A (SUMITOMO CHEM CO LTD), 7 January 1997 (1997-01-07) abstract -& JP 09 003793 A (SUMITOMO CHEMICAL CO, JAPAN) 7 January 1997 (1997-01-07) ---	1-9, 13-17
X	FR 2 812 295 A (SNF) 1 February 2002 (2002-02-01) claims 1, 5, 6, 10-20; examples 2, 3 ---	24, 25, 27-29, 33

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PCT/EP 03/05563

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 02057400	A	25-07-2002	US CA NO WO	2002132749 A1 2433328 A1 20032940 A 02057400 A2	19-09-2002 25-07-2002 14-08-2003 25-07-2002
US 5340865	A	23-08-1994	US US	4968435 A 5152903 A	06-11-1990 06-10-1992
EP 0374458	A	27-06-1990	AT AU AU BR CA CZ DE DE EP ES GR JP JP KR LT LT LV LV LV LV MX SK RU RU US US US ZA US US US US	118224 T 623717 B2 4688689 A 8906585 A 2005680 A1 8907165 A3 68921053 D1 68921053 T2 0374458 A2 2067517 T3 3015203 T3 2219887 A 2975618 B2 138524 B1 1576 A ,B 1578 A ,B 11330 A 11330 B 10964 A 10964 B 18620 A 716589 A3 2040528 C1 2026867 C1 5945494 A 6147176 A 5882525 A 8909694 A 5919882 A 6191242 B1 5961840 A	15-02-1995 21-05-1992 21-06-1990 04-09-1990 19-06-1990 14-05-1997 23-03-1995 01-06-1995 27-06-1990 01-04-1995 31-05-1995 03-09-1990 10-11-1999 01-05-1998 26-06-1995 26-06-1995 20-06-1996 20-12-1996 20-12-1995 20-06-1996 01-10-1993 08-10-1999 25-07-1995 20-01-1995 31-08-1999 14-11-2000 16-03-1999 26-09-1990 06-07-1999 20-02-2001 05-10-1999
FR 2589145	A	30-04-1987	FR	2589145 A1	30-04-1987
US 5180473	A	19-01-1993	JP JP	2575692 B2 63235596 A	29-01-1997 30-09-1988
FR 2812295	A	01-02-2002	FR AU EP WO	2812295 A1 7760501 A 1311553 A1 0210225 A1	01-02-2002 13-02-2002 21-05-2003 07-02-2002